Anudipa Maiti

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RESEARCH INTEREST

Mobile Systems, Energy Management, User experience and usage diversity in smartphones

EDUCATION

PhD in Computer Science (ongoing)   **Jan 2012 - Present**
State University of New York at Buffalo, USA
Advisor: Dr. Geoffrey Challen

Masters of Science in Computer Science   **2010 - 2012**
State University of New York at Buffalo, USA
Advisor: Dr. Steven Y. Ko

WORK EXPERIENCE

Research Assistant, PhoneLab   **2012 - Present**
State University of New York at Buffalo, USA
Instrumenting the android platform for different experimental purposes, building novel
energy management framework, analysing usage data for diversity and patterns.
Skills: *Android Platform & API, Python, JAVA, C, C++*

Research Engineer (Intern), LiveLabs   **May – Aug 2014**
Singapore Management University, Singapore
Investigating trend and context that triggers change in users' application usage behavior,
writing tool for selecting best-fit pool of users for deployment of any third party application
Skills: *Python, Django, Android API*

Engineering Intern   **May – Dec 2011**
Synacor, Buffalo
Building, loadtesting and benchmarking a prototype module for the backend-cache that
authenticates encrypted packets from clients before allowing web services.
Skills: *Perl, PHP, Varnish*

RESEARCH:

1. **PhoneLab,** a large scale smartphone testbed.
2. **Sustainibility of discarded smartphones**
3. **Jouler ,** a framework for flexible and effective energy management
4. **MayBe,** language construct for expressing uncertainity

PUBLICATIONS

[1] A. Nandugudi , **A. Maiti**, T. Ki , F. Bulut, M. Demirbas, T. Kosar, C. Qiao, S. Y. Ko, and G. Challen :
PhoneLab: A Large Programmable Smartphone Testbed.
In *SENSEMINE* 2013

[2] A. Nandugudi, **A. Maiti**, F. Bulut, S. Batra, Y. Ki, G. Challen, M. Demirbas, S. Ko, T. Kosar, and C.
Qiao : **Participant behavior in phonelab.**
In *Third International Conference on the Analysis of Mobile Phone Datasets (NetMob)*. 2013.

[3] G. Challen, S. Haseley, A. Maiti, A. Nandugudi, G. Prasad, M. Puri, J. Wang : **The Mote is Dead.
Long Live the Discarded Smartphone!**
In *HotMobile* 2014

[4] A. Maiti, G. Challen : **The Missing Numerator: Toward a Value Measure for Smartphone Apps**
In *HotMobile* 2015